You are **strongly** encouraged to work in groups, following the procedure as in homework MS09.

Metric Space Exercise 14. Variant of 2.4.33.1 (p. 149).

Let A be a connected subset of a metric space and $A \subset B \subset \overline{A}$. Prove that B is connected.

Remark. Said differently, $\langle$since $\overline{A} = A \cup A' \rangle$, if B is formed by adjoining to a connected set A some (or all) of the limit points of A, then B is connected.